

## **LISTING OF THE CLAIMS**

**This listing of claims replaces all prior versions and listings of claims in the application:**

**1. (Currently Amended)** A mobile communication system by which a dedicated physical data channel with error correction and a dedicated physical control channel without error correction, both of the forward link, are time-division multiplexed and transmitted from a wireless base station apparatus to mobile station terminals, comprising:

a power correcting unit ~~which corrects~~ operative to correct transmission power based on an ~~with the~~ encoding gain of said dedicated physical data channel ~~being taken into consideration;~~<sub>1</sub> and

a transmitting unit ~~which transmits~~ operative to transmit said dedicated physical ~~channels~~ data channel and said dedicated physical control channel of the forward link with the corrected transmission power.

**2. (Currently Amended)** The mobile communication system[[,]] as claimed in claim 1, wherein[[:]] said power correcting unit corrects said transmission power at each of transmission time intervals.

**3. (Currently Amended)** The mobile communication system[[,]] as claimed in claim 1, wherein[[:]] said power correcting unit corrects the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

4. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 2, wherein[[:]] said power correcting unit corrects the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

5. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 3, wherein[[:]] said rate matching is to satisfy quality of service (QoS) requirements for voice communication and packet communication at the same time.

6. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 4, wherein[[:]] said rate matching is to satisfy QoS requirements for voice communication and packet communication at the same time.

7. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 1, wherein[[:]] said mobile communication system utilizes the code division multiple access (CDMA) formula.

8. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 2, wherein[[:]] said mobile communication system utilizes the CDMA formula.

9. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 3, wherein[[:]] said mobile communication system utilizes the CDMA formula.

10. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 4, wherein[[:]] said mobile communication system utilizes the CDMA formula.

11. **(Currently Amended)** The mobile communication system[[,]] as claimed in claim 5, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**12. (Currently Amended)** The mobile communication system[[,]] as claimed in claim 6, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**13. (Currently Amended)** A wireless base station apparatus by which a dedicated physical data channel with error correction and a dedicated physical control channel without error correction, both of the forward link, are time-division multiplexed and transmitted to mobile station terminals, comprising:

a power correcting unit ~~which corrects~~ operative to correct transmission power based on an ~~with the~~ encoding gain of said dedicated physical data channel ~~being taken into consideration;~~<sub>2</sub> and

a transmitting unit ~~which transmits~~ operable to transmit said dedicated physical ~~channels~~ data channel and said dedicated physical control channel of the forward link with the corrected transmission power.

**14. (Currently Amended)** The wireless base station apparatus[[,]] as claimed in claim 13, wherein[[:]] said power correcting unit corrects said transmission power at each of transmission time intervals.

**15. (Currently Amended)** The wireless base station apparatus[[,]] as claimed in claim 13, wherein[[:]] said power correcting unit corrects the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

**16. (Currently Amended)** The wireless base station apparatus[[,]] as claimed in claim 14, wherein[[:]] said power correcting unit corrects the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

**17. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 15, wherein[[:]] said rate matching is to satisfy QoS requirements for voice communication and packet communication at the same time.

**18. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 16, wherein[[:]] said rate matching is to satisfy QoS requirements for voice communication and packet communication at the same time.

**19. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 13, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**20. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 14, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**21. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 15, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**22. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 16, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**23. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 17, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**24. (Currently Amended)** The wireless base station apparatus[.]] as claimed in claim 18, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**25. (Currently Amended)** A power control method for a mobile communication system by which a dedicated physical data channel with error correction and a dedicated physical control channel without error correction, both of the forward link, are time-division multiplexed

and transmitted from a wireless base station apparatus to mobile station terminals, comprising steps of:

correcting transmission power ~~with~~ based on the encoding gain of said dedicated physical data channel ~~being taken into consideration~~; and

transmitting said dedicated physical data channel and said physical control channel ~~channels of the forward link~~ with the corrected transmission power.

**26. (Currently Amended)** The power control method[[,]] as claimed in claim 25, wherein[[:]] said transmission power is corrected at each of transmission time intervals by said step of correcting transmission power.

**27. (Currently Amended)** The power control method[[,]] as claimed in claim 25, wherein[[:]] the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel is corrected by said step of correcting transmission power on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

**28. (Currently Amended)** The power control method[[,]] as claimed in claim 26, wherein[[:]] the encoding gain of the transmission power obtained by error correction processing on said dedicated physical data channel and said dedicated physical control channel is corrected by said step of correcting transmission power on the basis of bit repetition/bit thinning-out due to rate matching figured out from variations in transmitted data quantity.

**29. (Currently Amended)** The power control method[[,]] as claimed in claim 27, wherein[[:]] said rate matching is to satisfy QoS requirements for voice communication and packet communication at the same time.

**30. (Currently Amended)** The power control method[[,]] as claimed in claim 28, wherein[[:]] said rate matching is to satisfy QoS requirements for voice communication and packet communication at the same time.

**31. (Currently Amended)** The power control method[[,]] as claimed in claim 25, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**32. (Currently Amended)** The power control method[[,]] as claimed in claim 26, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**33. (Currently Amended)** The power control method[[,]] as claimed in claim 27, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**34. (Currently Amended)** The power control method[[,]] as claimed in claim 28, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**35. (Currently Amended)** The power control method[[,]] as claimed in claim 29, wherein[[:]] said mobile communication system utilizes the CDMA formula.

**36. (Currently Amended)** The power control method[[,]] as claimed in claim 30, wherein[[:]] said mobile communication system utilizes the CDMA formula.